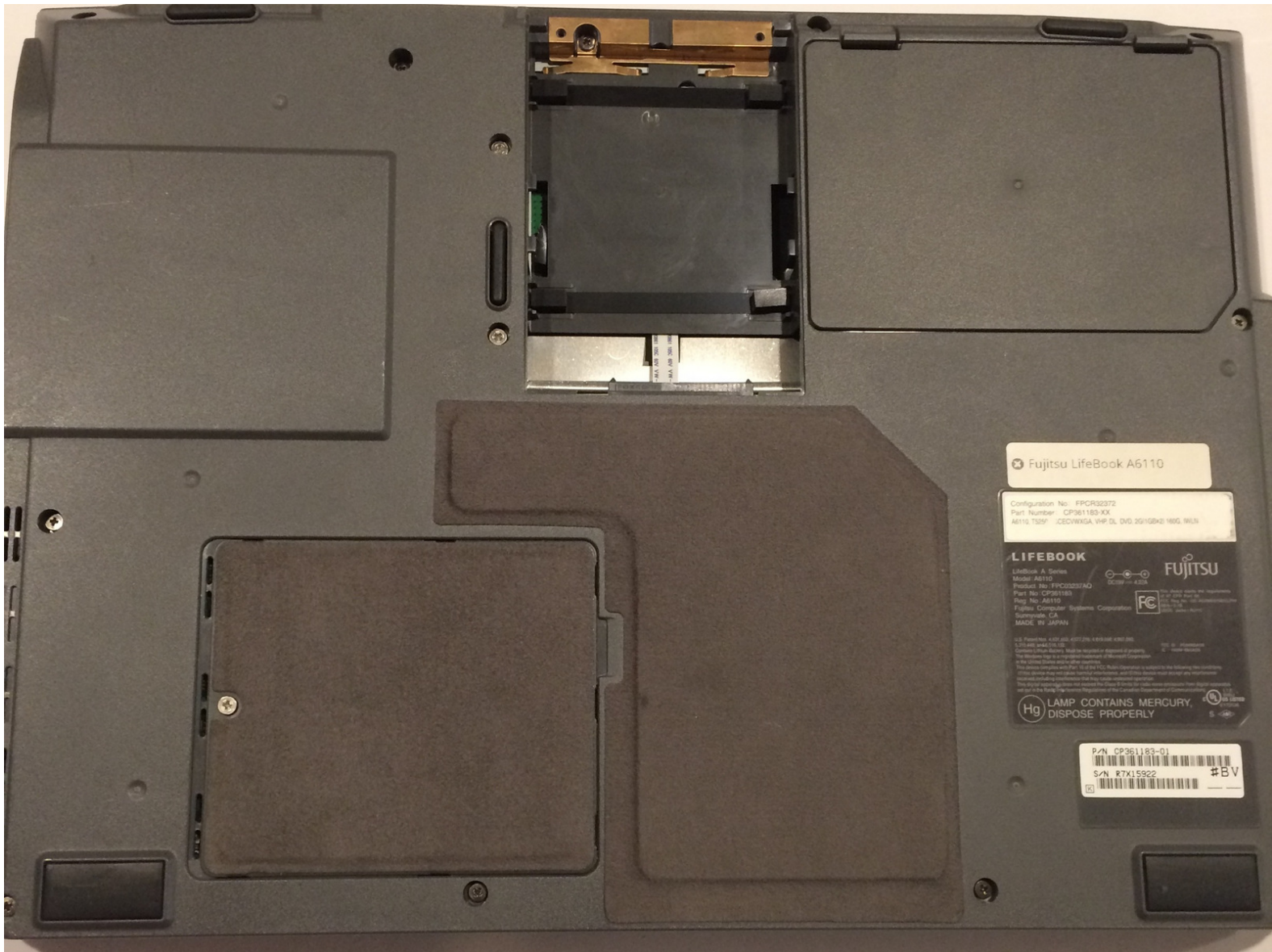




fujitsu lifebook model a6110 Fan Replacement

This guide will show you how to replace the laptop's fan.

Written By: Cody Moniz



INTRODUCTION

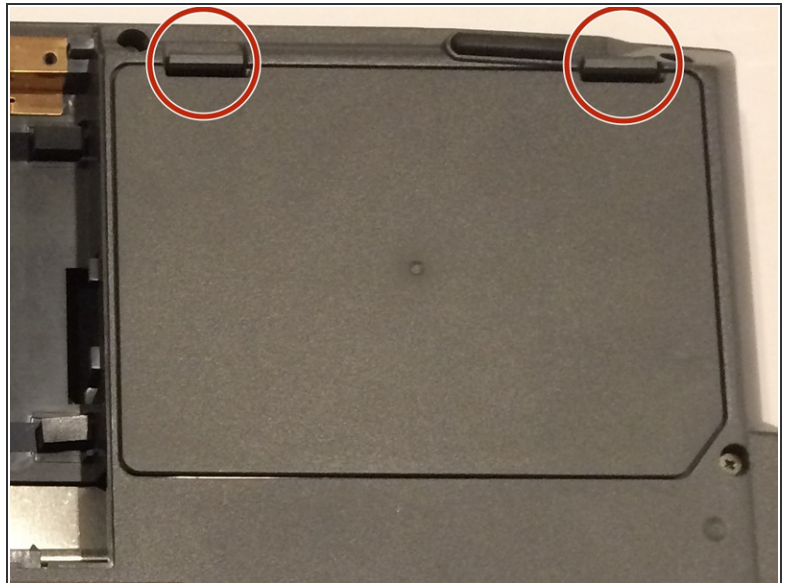
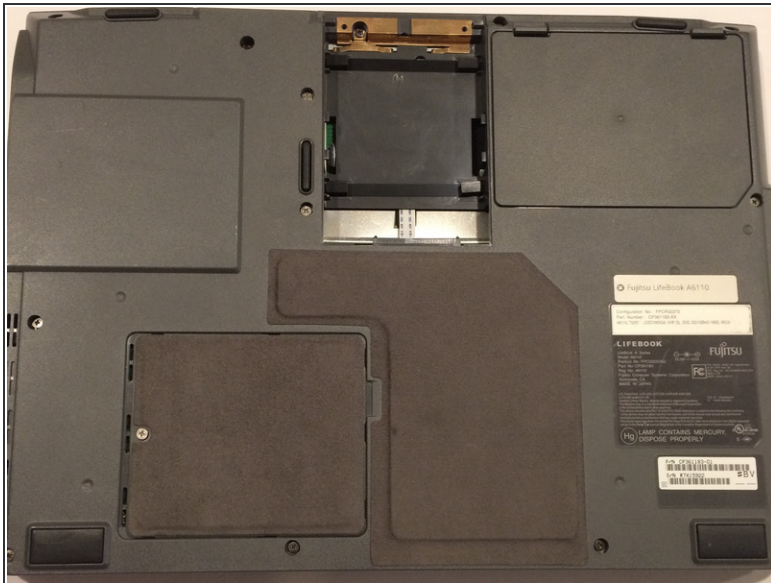
If your laptop is overheating, or if the fan in the laptop is louder than it used to be and using compressed air didn't resolve the problem, then you will likely need to replace your fan. This guide will show you a step-by-step process on how to replace the fan in the computer.





TOOLS:

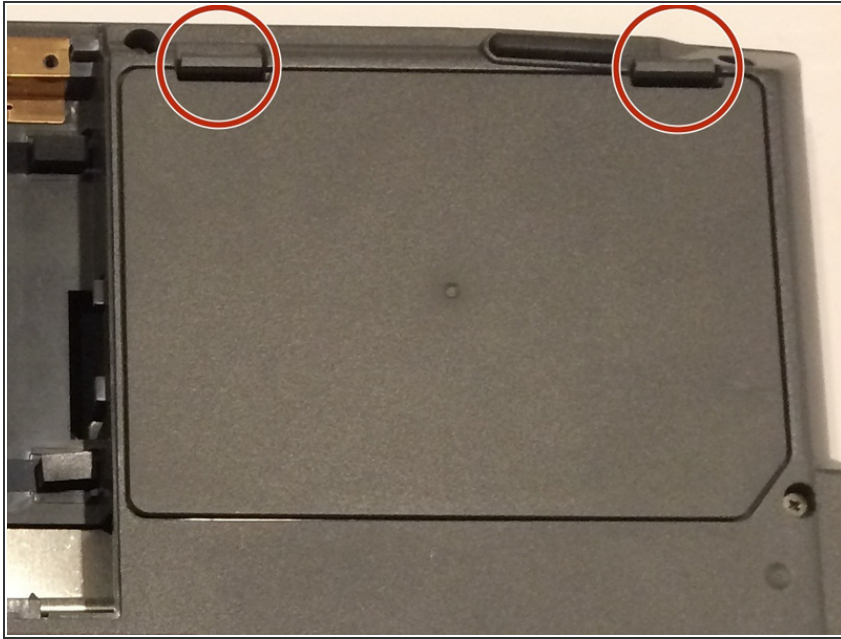
- [Phillips #1 Screwdriver](#) (1)
 - [Heavy-Duty Spudger](#) (1)
-

Step 1 — Battery



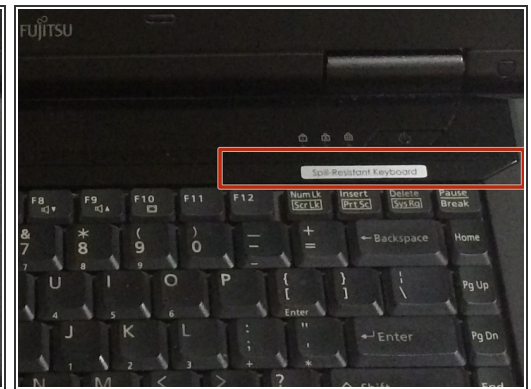
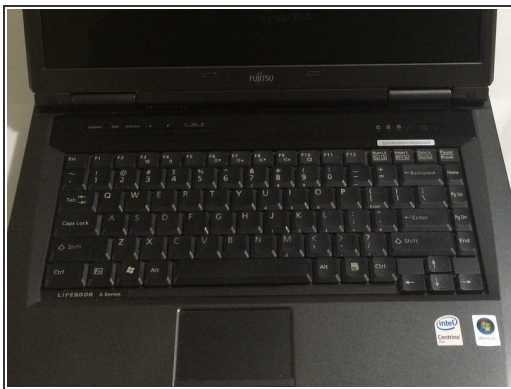
-  The computer should be turned off before starting. In addition, the laptop should remain closed throughout the duration of this replacement, unless otherwise noted.
-  Before handling any electronic components, you should ground yourself. This will prevent damage to the components from any charge you may be carrying. You can do this by touching any metal objects.
- Flip your laptop such that the bottom of the laptop is facing up.
- Make sure you can read the label on the bottom part. If the label is upside down, you will need to re-position the laptop until you can properly read it. As an alternative, the hinges for the screen should be facing towards you.

Step 2



- Place your fingers under the clips, and lift up on them while pulling them towards you.
- This will remove the battery.

Step 3 — Keyboard



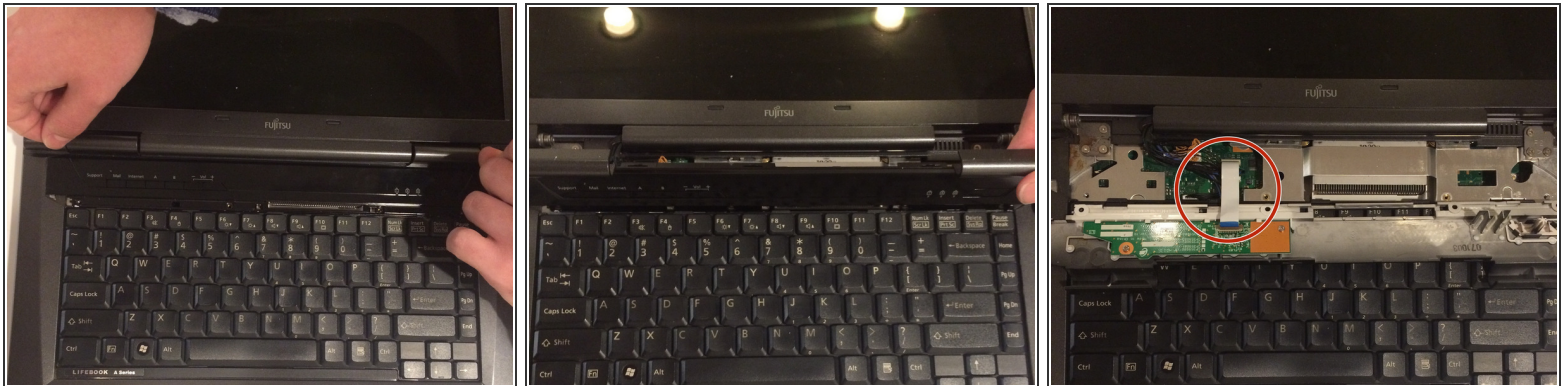
- Position the laptop like you would if you were to use it. Open the screen to a 180 degrees angle. The screen and the keyboard needs to face up before proceeding.
- Remove the plastic piece in the red square by using a plastic spudger.

Step 4



- Using a Phillips #1 screwdriver, remove the four 6 mm screws that were covered by the plastic piece that was just removed.

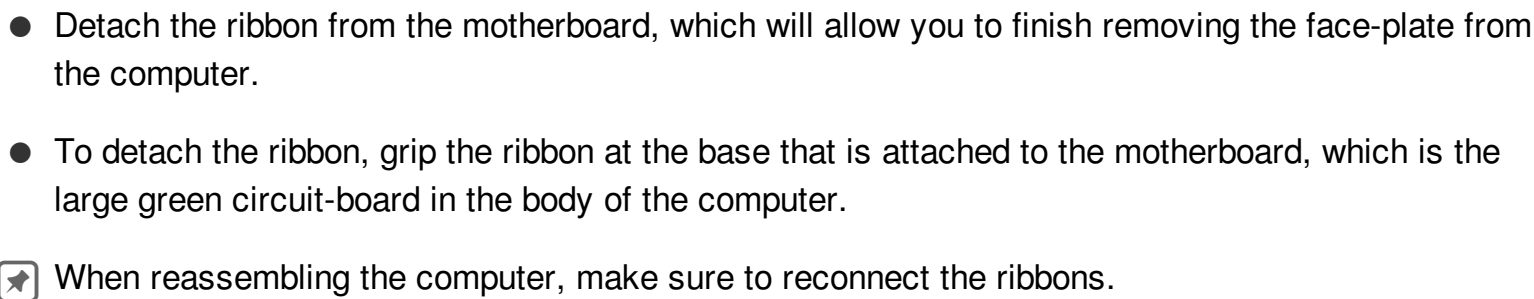
Step 5



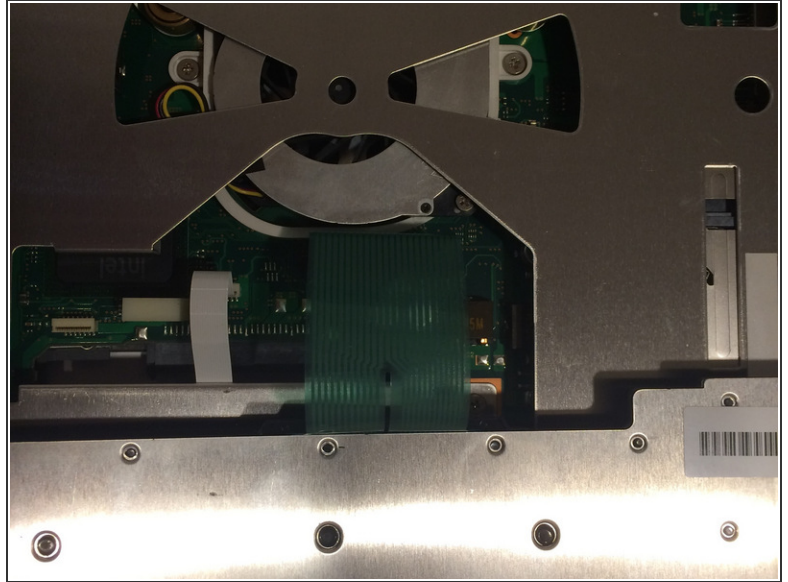
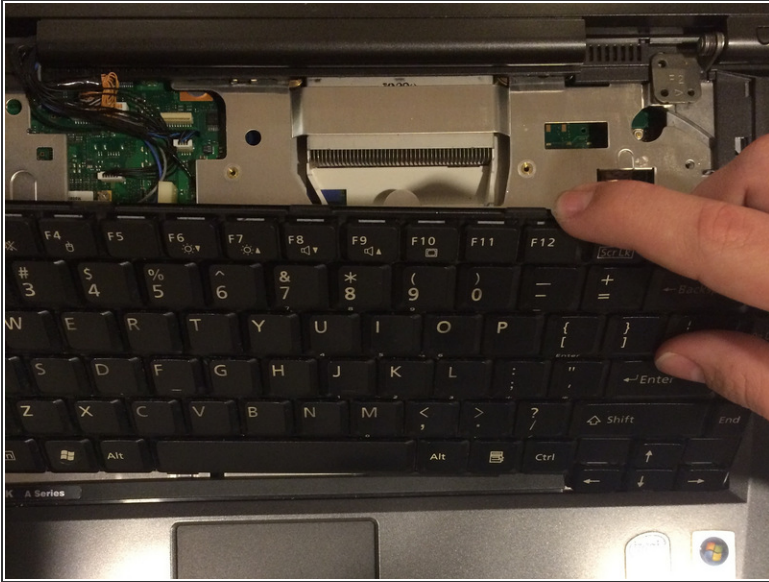
- Lift up on the inner edges of the hinges for the screen. This will detach the face-plate from the computer. Use a spudger to make this process easier.

⚠ There is a ribbon underneath this panel that attaches to the motherboard. Be careful to not rip this ribbon.

- The ribbon is in the top left hand corner and must be carefully removed from the motherboard as shown in the next step.



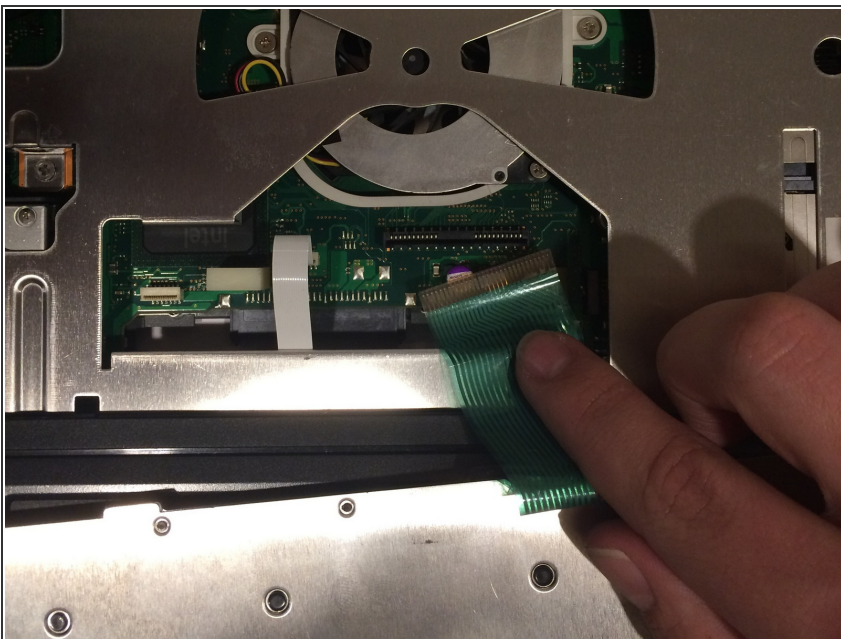
Step 7



- The keyboard is now free. Lift up on the keyboard.

⚠ There is another ribbon connecting the keyboard to the motherboard. Be careful not to rip it

Step 8

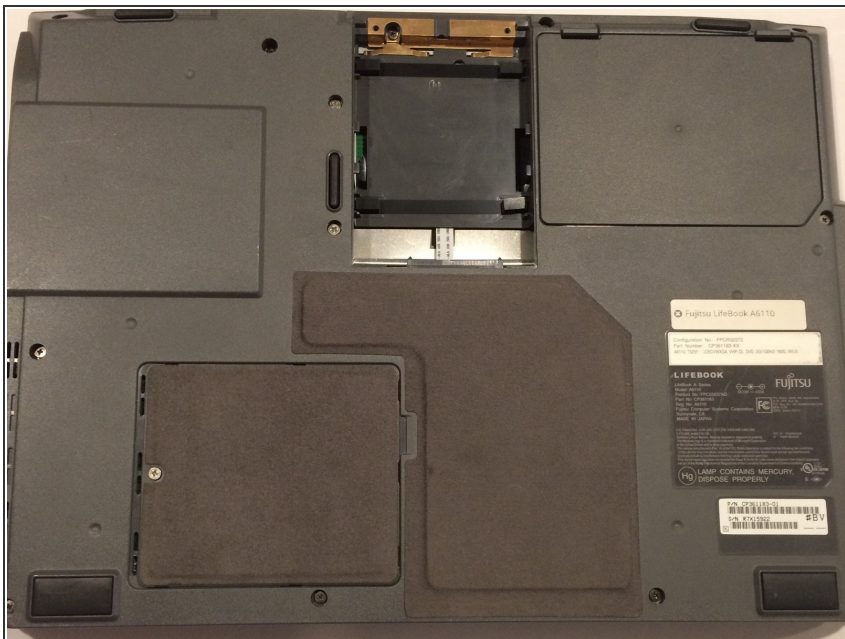


- Detach the ribbon from the motherboard
- To detach the ribbon, grip the ribbon at the base that is attached to the motherboard, which is the large green circuit-board in the body of the computer.

⚠ This ribbon may be difficult to remove, so be careful in pulling it. You could accidentally break it.

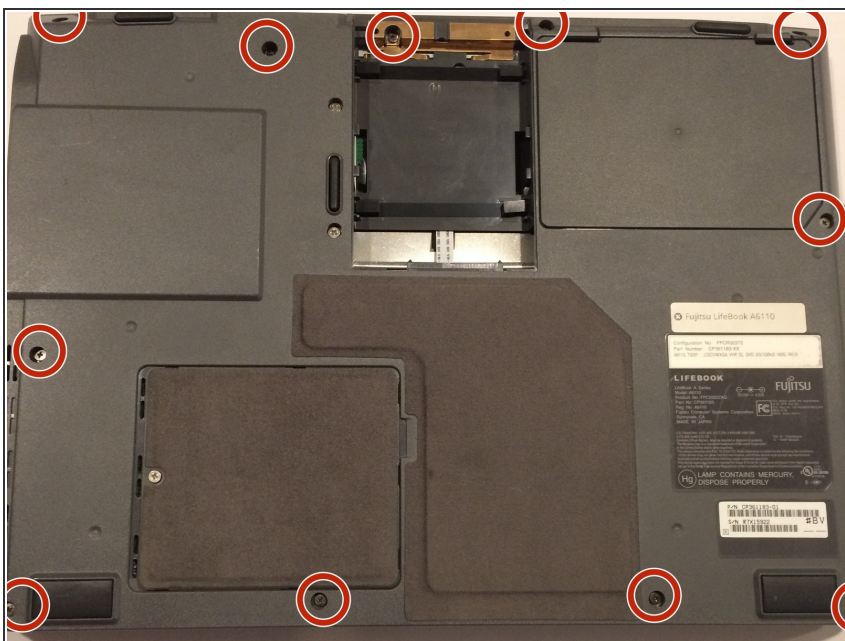
☑ When reassembling the computer, make sure to reconnect this ribbon.

Step 9 — Fan



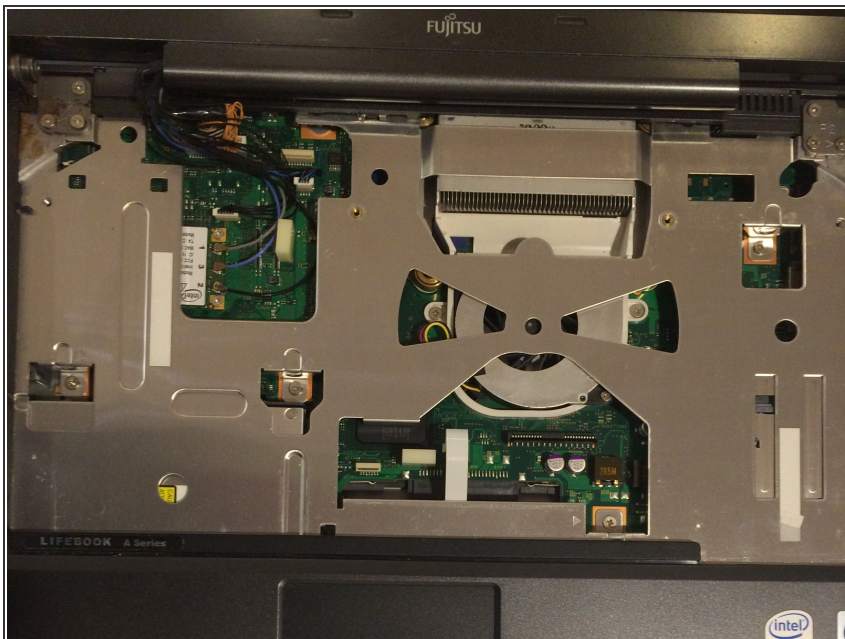
- Close the screen of the laptop, then flip the computer over so that the bottom side is facing up.

Step 10



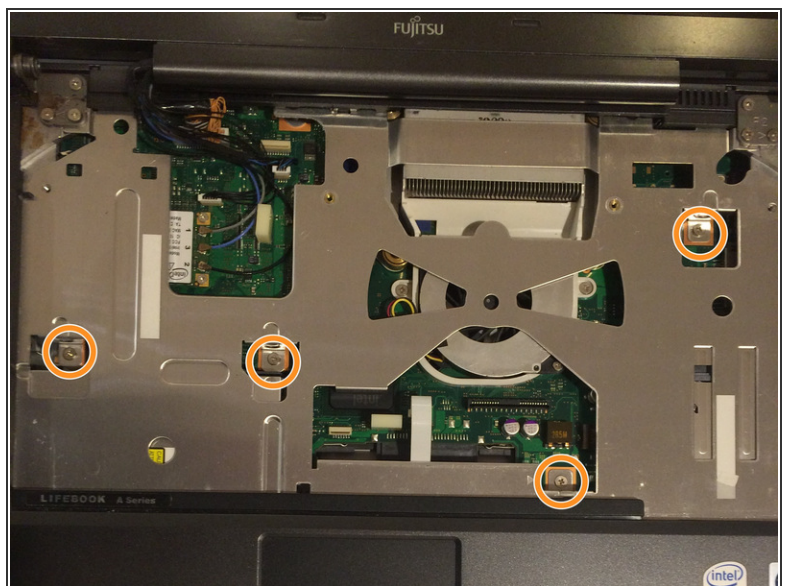
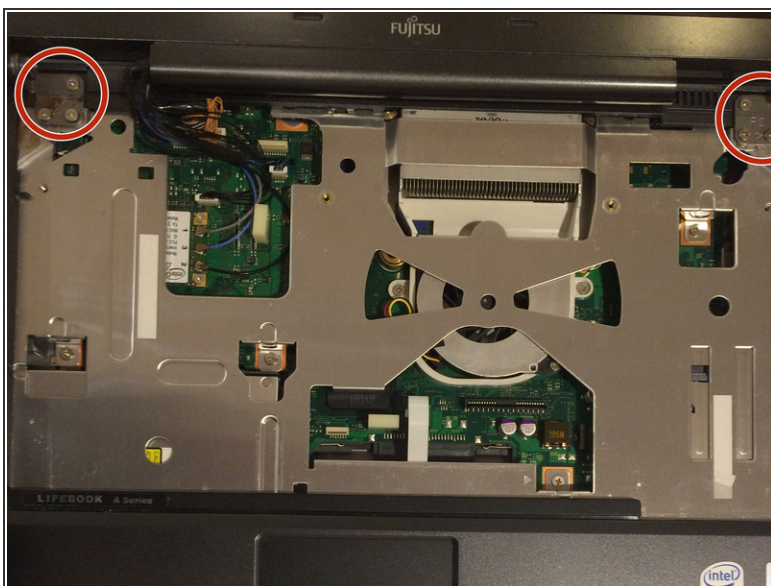
- Using a Phillips #1 screwdriver, remove the eleven 1 cm screws located around the edge of the laptop.

Step 11



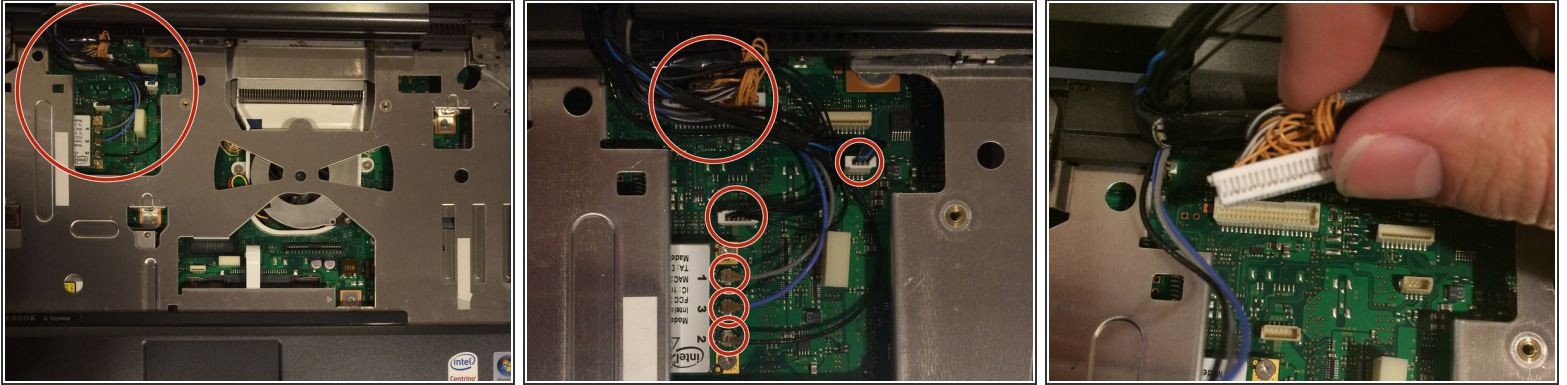
- Flip the computer over again, like it was before removing the screws. The screen must be opened and pushed down so that it lies flat with the keyboard. Both the keyboard and screen must face up.

Step 12



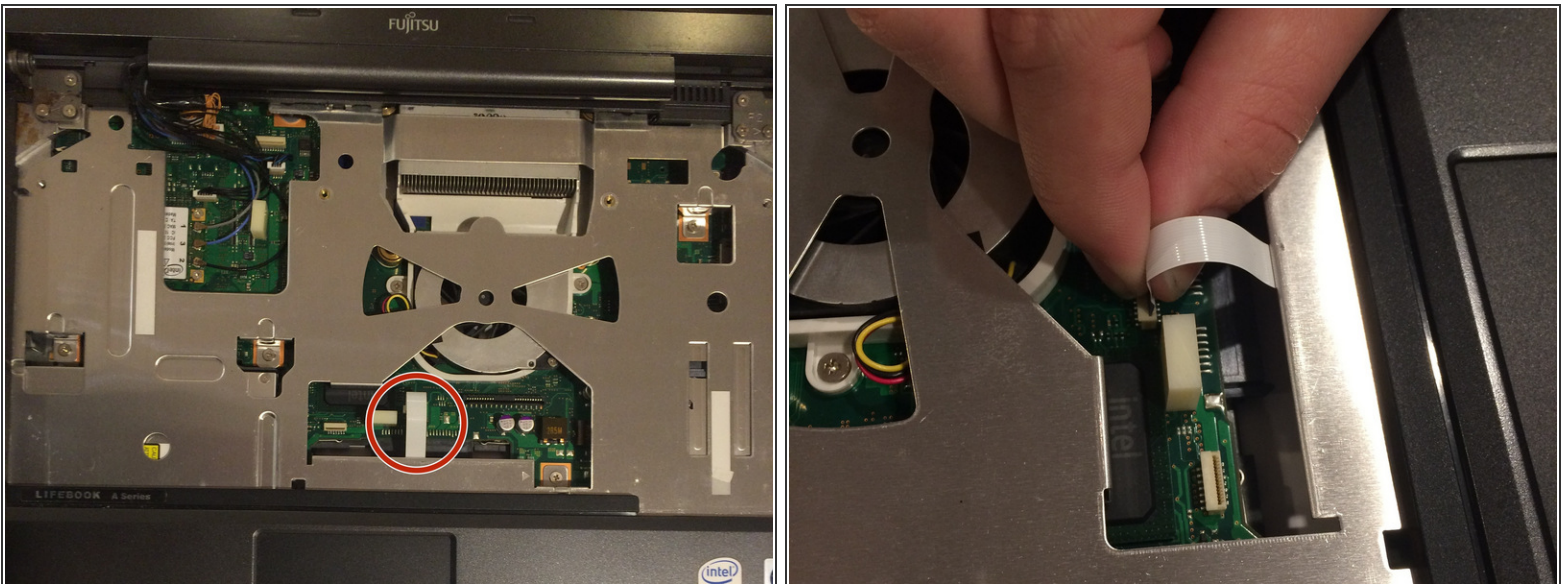
- Using a Phillips #1 screwdriver, remove the six 6 mm screws located on the top right and top left corners of the laptop.
- Using a Phillips #1 screwdriver, remove the four 6 mm screws located around the motherboard.

Step 13



- At the top left hand corner of where the keyboard used to be, you will find a grouping of wires.
- Carefully remove all the wires that are grouped together from the motherboard using either your hands or a spudger.

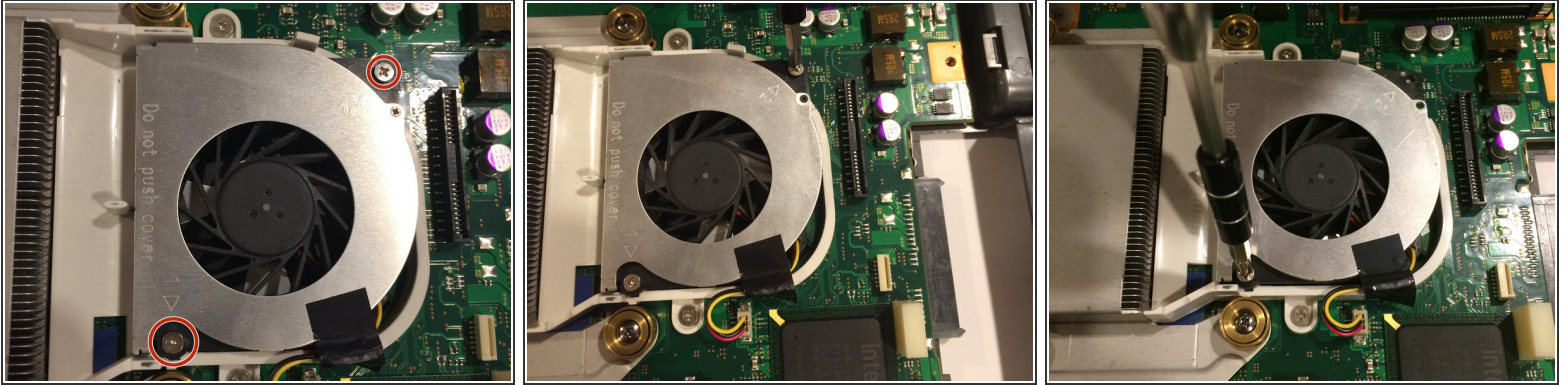
Step 14



- Before you can remove the keyboard's metal under carriage you must first remove the track-pad's ribbon. Take a firm grip at the base of the ribbon that is connected to mother board and firmly pull it upward away from the motherboard.

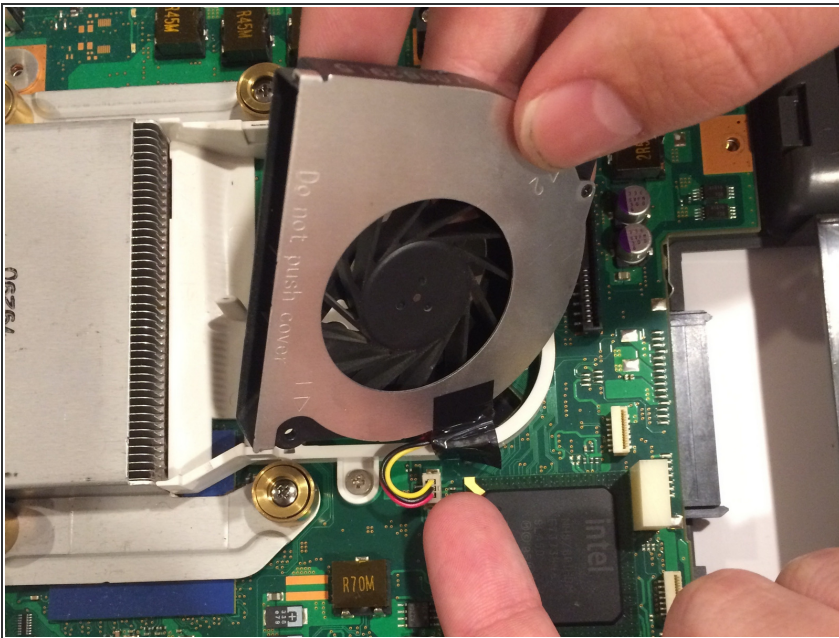
⚠ Be mindful to not tear the ribbon. It is not delicate but it can still be torn if tugged on too abruptly.

Step 15



- There are two 3 mm screws around the fan that need to be removed. Using a Phillips #1 screwdriver, remove these screws by turning them counter-clockwise.

Step 16



- The fan is now held in place by a wire, and a piece of anti-static tape.
- Remove the wire by pulling it from the motherboard, using either your hands or a spudger.
- The tape can simply be peeled away.

To reassemble your device, follow these instructions in reverse order.

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